

**Notice of Allowability**

Application No.

09/971,984

Examiner

Ted M. Wang

Applicant(s)

LAIS ET AL.

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**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 08/12/2005.
2. ☒ The allowed claim(s) is/are 8, 10, 11, 13, 14, 16-19, 21-23, 35-40 and 42.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
  - \* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 26 October 2005.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

## DETAILED ACTION

### *Examiner Amendments*

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
2. Authorization for this examiner's amendment was given in a telephone interview with Applicant's representative Kory Christensen on October 26, 2005.
3. The application has been amended as follows:

In the specification,

- Page 2, between "Application Title" line and "BACKGROUND" line, insert --- This is a continuation of 09/955,547 filed 09/17/2001. ---.
- Page 22, line 11, change "an" to --- and ---.

In the claims:

- Claim 8, line 6, after "decoder" insert --- , wherein said arbitration logic maps said multimedia streams once upon system initialization ---.
- Claim 14, line 9, after "decoder" insert --- , wherein said arbitration logic maps said multimedia streams once upon system initialization ---.
- Claim 19, line 10, after "decoder" insert --- , wherein said arbitration logic maps said multimedia streams once upon system initialization ---.
- Claim 35, line 7, after "apparatus" insert --- , and wherein said arbitration logic maps said multimedia streams to equalize said processing load on each

decoder, and wherein said arbitration logic maps said multimedia streams once upon system initialization ---.

- Claim 38, line 6, after "means" insert ---, wherein said mapping means maps said multimedia streams once upon system initialization ---.
- Cancel claims 12, 32-34, and 41.

***Allowable Subject Matter***

4. Claims 8, 10, 11, 13, 14, 16-19, 21-23, 35-40, and 42 are allowed.
5. The following is an examiner's statement of reasons for allowance.
  - The prior art fails to teach an apparatus of Claims 8, 14, 19, 35, and 38 that specifically comprises the following:
    - The instant application is deemed to be directed to a non-obvious improvement over the admitted prior art of the instant application and the invention patented in Pat. No. US 5,745,645, US 5,886,995, US 5,852,630, US 6,870,883, and US 6,760,385. The improvement comprises that -

With regard claims 8, 35, and 38, "and wherein said arbitration logic maps said multimedia streams to equalize said processing load on each decoder, and wherein said arbitration logic maps said multimedia streams once upon system initialization" as recited; and

With regard claims 14 and 19, "wherein said arbitration logic monitors amounts of data stored in said buffers for each of said multimedia streams and causes multimedia streams with relatively more

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stored data to be serviced by said decoder, and wherein said arbitration logic maps said multimedia streams once upon system initialization" as recited; and

6. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

7. Reference(s) US 6,870,883 and US 6,760,385 are cited because they are put pertinent to the Parallel encoding and decoding processor system and method. However, none of references teach detailed connection as recited in claim.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ted M. Wang whose telephone number is (571) 272-3053. The examiner can normally be reached on M-F, 7:30 AM to 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Chin can be reached on (571) 272-3056. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at (866) 217-9197 (toll-free).

Ted M Wang

Examiner

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Ted M. Wang



**STEPHEN CHIN**  
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